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CLAIMS

1. Appliance for water-jet surgery, comprising
a plurality of supply cylinders (10) in which is stored a
5 working fluid (11) that can be expelled, by means of a
piston (12), through an outlet (13) into a pressure conduit
(20),
at least one actuation device (30) to actuate the piston
(12), and
10 a change-over device (50) to shift the actuation from the
piston (12) of one supply cylinder (10-1) to the piston
(12) of another supply cylinder (10-n), so that the working
fluid (11) can be ejected into the pressure conduit (20)
from consecutively emptied supply cylinders (10).
- 15 2. Appliance according to Claim 1,
characterized in that the change-over device (50) is
designed so that the consecutive periods of actuation of
the pistons (12) can overlap one another, with the result
that expulsion of the fluid (11) into the pressure conduit
20 (20) is uninterrupted.
3. Appliance according to one of the preceding claims,
characterized by a sealing device (43) to seal the fluid
outlet (13).
4. Appliance according to one of the preceding claims,
25 characterized in that a plurality of actuation devices (30-
1) is provided.
5. Appliance according to one of the preceding claims,
characterized in that the pistons (12) comprise back-flow
barriers (14) such that after a piston (12) has reached a
30 position in which the working fluid (11) has been expelled,
the piston cannot be pushed back into a previous position.

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6. Appliance according to one of the preceding claims,
characterized in that at the outlet (13) a preferably
irreversibly openable transport gasket is provided.
7. Appliance according to one of the preceding claims,
5 characterized by a change-over magazine (40) to receive a
group of supply cylinders (10).
8. Appliance according to Claim 7,
characterized in that the change-over magazine (40)
comprises chambers (42) that closely surround the supply
10 cylinders (10).
9. Appliance according to one of the claims 7 or 8,
characterized in that in the change-over magazine (40)
there are provided collection devices (45) to conduct
working fluid (11) from several supply cylinders (10) to
15 the pressure conduit (20).
10. Appliance according to one of the preceding claims,
characterized by ventilation devices (46) for the
preferably simultaneous removal of air from conduit
sections between the outlets (13) of the supply cylinders
20 (10) and the pressure conduit (20).
11. Appliance according to Claim 10,
characterized in that the ventilation devices are disposed
in a change-over magazine (40).
12. Appliance according to one of the claims 7 to 11,
25 characterized in that the change-over magazine (40) is
irreversibly connected to the pressure conduit (20), to
form a single-use unit.